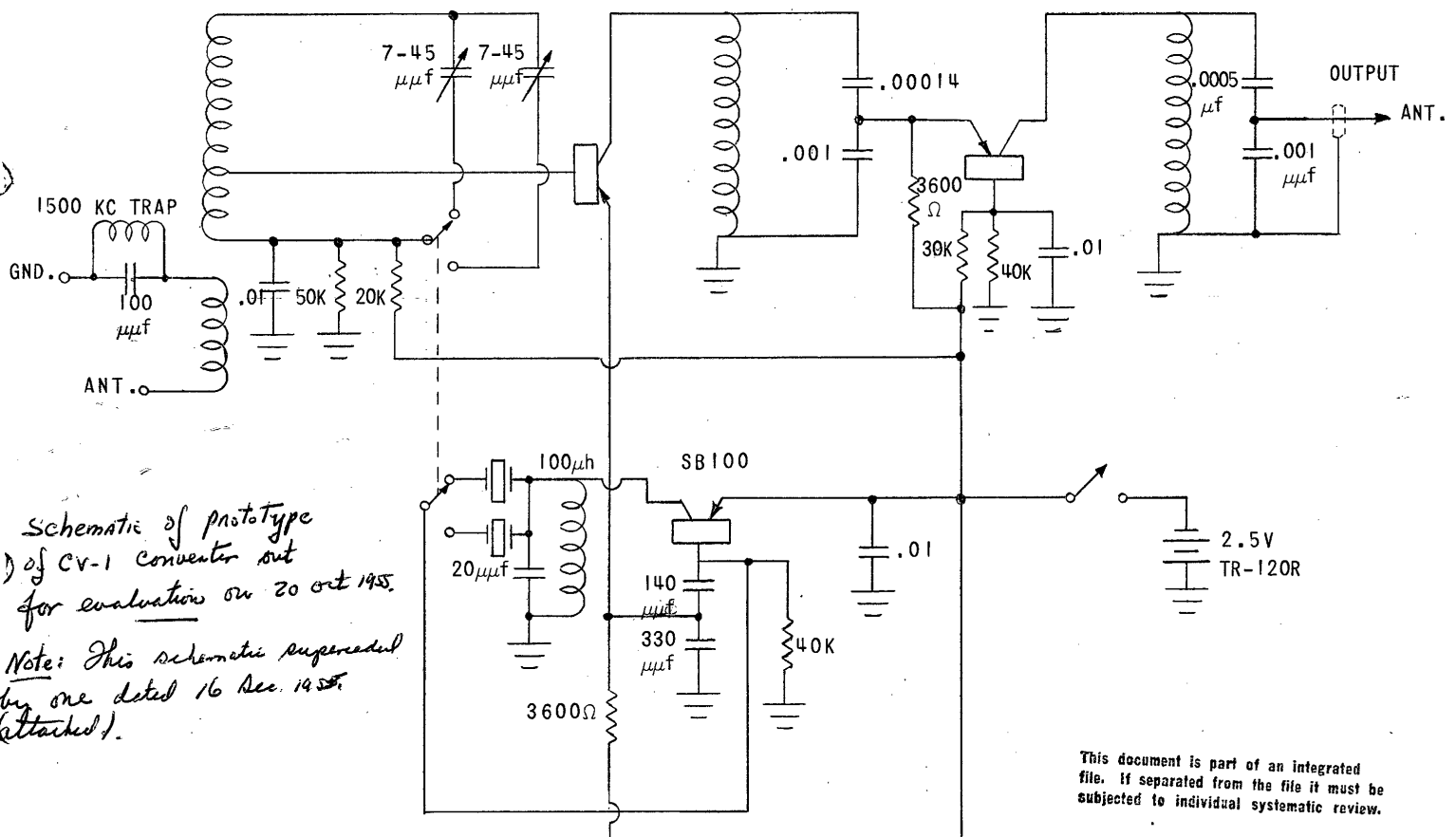


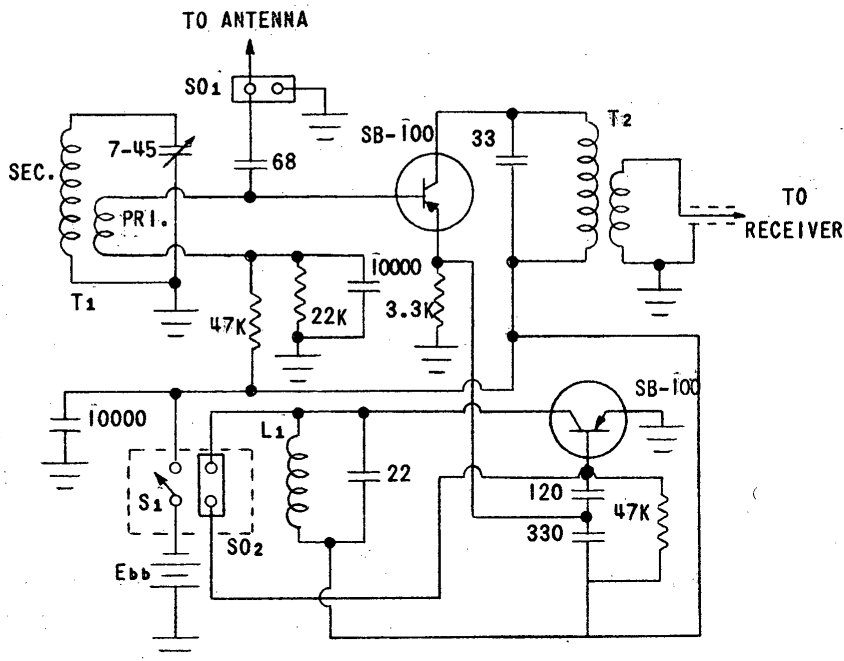
SB100

SB100



This document is part of an integrated file. If separated from the file it must be subjected to individual systematic review.

TRANSISTORIZED RF
FREQUENCY CONVERTER



SCHEMATIC - TRANSISTORIZED
RF CONVERTER (CV-1).

NOTE 1 - SWITCH S₁ IS ACTUATED BY CRYSTAL CASE. (SO₂).

NOTE 2 - Ebb: 1.34 VOLT MALLORY MERCURY CELL TYPE RM-401R OR
STANDARD FLASHLIGHT CELL.

NOTE 3 - CAPACITOR VALUES ARE IN $\mu\mu\text{fd.}$

NOTE 4 - ALL RESISTORS ARE 1/8 WATT.

NOTE 5 - L₁ 50 μ h 33ma RF CHOKE NATIONAL R-33.

< - TRANSFORMER DATA -

TRANSFORMER T₂

SOURCE - LABORATORY CONSTRUCTION.

CORE - STACKPOLE TYPE CG-9796.

FORM -PHENOLIC IMPREGNATED PAPER.

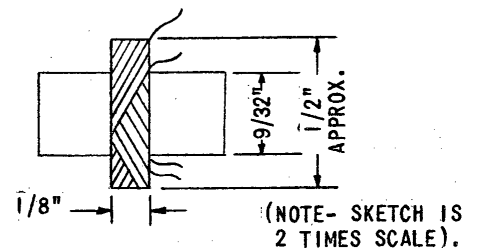
WIRE - 3 STRAND, #41, LITZ, SINGLE NYLON FORMVAR.

PRIMARY - 50 TURNS (INNER COIL).

SECONDARY - 125 TURNS (OUTER COIL).

WINDING - UNIVERSAL.

DIMENSIONS - SEE DRAWING



TRANSFORMER T₁

SOURCE - LABORATORY CONSTRUCTION.

CORE - STACKPOLE TYPE G2.

PRIMARY - 15 TURNS, #38, DOUBLE SILK ENAMEL
(OUTER COIL).

SECONDARY - 67 TURNS (APPROX.), #38 ENAMEL
(INNER COIL).

* ADJUSTED TO RESONATE AT 3 MCS WITH 60 μ fd ON
BOONTON Q-METER TYPE 260A.

WINDING - LAYER.

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TRANSISTORIZED
RF. CONVERTER (CV-1)
16 DECEMBER 1955